



**SITE LOCATION MAPS**




# U.S. Cellular

**DELAVAN LAKE (786492)  
DELAVAN, WISCONSIN  
CONSTRUCTION DRAWINGS  
180' MONOPOLE**

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\* COMPLETED BY OTHERS  
CONTRACTOR SHALL VERIFY ALL PLANS AND DETAILING FOR ACCURACY AND CORRECT ANY ERRORS. ENGINEER OF ANY CONTRACTOR OR PERSON TO PRINT OR REPRODUCE ANY WORK OR BE RESPONSIBLE FOR THE SAME.

**DIRECTORY**

ENGINEERING COMPANY:  
EDGE CONSULTING ENGINEERS, INC.  
424 WATER STREET  
PRAIRIE DU SAC, WI 53578  
CONTACT: DAVID LYSHEK  
PHONE: 608.644.1449  
FAX: 608.644.1549

**PROJECT INFO**

SITE LOCATION:  
6601 TOWN HALL ROAD  
DELAVAN, WI 53115  
SITE #: 786492  
PROPERTY OWNER:  
TOWN OF DELAVAN  
6601 TOWN HALL ROAD  
DELAVAN, WI 53115  
CONTACT: DEAN O'CONNOR  
PHONE: 262.728.3471  
1A INFORMATION (Q40 18/4/2011)  
-TOWER BASE-  
LAT: 42°37'07.77"  
LONG: 88°34'35.57"  
GROUND ELEVATION (Q40 88): 902.3'

**SCOPE OF WORK**

PROJECT TYPE: 180' MONOPOLE  
EQUIPMENT: 11'x7'x4' EQUIPMENT SHELTER  
ELECTRIFICATION (SEE SHEET SP-2)  
PRO. ANTENNA C./C. 180' ABOVE TO C  
AMBLYA: (3) CHINA ANTENNAS  
CABLES: (1) PRO. AMBLYA LINE  
EQUIPMENT: (1) PRO. SHELTER PROTECTOR  
(2) PRO. DR/EDGES  
(3) PRO. BAYST UNITS

**SPECIAL REQUIREMENTS**

U.S. CELLULAR TO INSTALL A REPLACEMENT WASTEWATER ACCUMULATION BIN SEE C-1

**UTILITY INFO**

| UTILITY PROVIDER     | NAME            | WI ELECTRIC POWER CO. |
|----------------------|-----------------|-----------------------|
| ELECTRIC PROVIDER    | CONTRACT NUMBER | 18031743777           |
| FIBER OPTIC PROVIDER | NAME            | TBD                   |
|                      | CONTACT         |                       |
|                      | PHONE:          |                       |



TO OBTAIN LOCATION OF UNDERGROUND UTILITIES AND FACILITIES BEFORE YOU DIG IN WISCONSIN, CALL 800.480.4811  
M.A.A. LOCATOR 1800.343.3434  
WISCONSIN SAFETY TRAINING REQUIREMENT OF 8 HOURS FOR ALL PERSONS WHO DIG  
FOR UTILITIES. VISIT WWW.WISCONSIN.CALL



I HEREBY CERTIFY THAT THIS PLAN SET WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN.

Signature: 

Date: 3/22/2016

| DATE | BY | REVISION |
|------|----|----------|
|      |    |          |
|      |    |          |
|      |    |          |

**TITLE SHEET**  
**DELAVAN LAKE (786492)**  
**DELAVAN, WISCONSIN**



LEASE PARCEL

A part of Lot 1 of Certified Survey Map No. 4188, recorded in Volume 28 of Certified Survey Maps on Page 253 of Document No. 747027, being a part of the Northwest Quarter (NW 1/4) of the Southwest Quarter (SW 1/4) of Section Twenty-Three (23), Township Two (2) North, Range Sixteen (16) East, Town of DeLeon, Walworth County, Wisconsin, containing 2,508 square feet (0.058 acre) of land and being described by:

Commencing at the West Quarter Corner of said Section 23; thence N89°21'26"E along the North line of the SW 1/4 of said Section 23 a distance of 1041.32 feet; thence S88°38'34"E to the point of beginning; thence S87°18'40"E to the point of beginning; thence S88°43'20"W 74.00 feet; thence S87°16'49"W 33.00 feet; thence N89°14'25"E 26.74 feet; thence N89°14'25"E 26.74 feet to the point of beginning.

15 FOOT WIDE ACCESS/UTILITY EASEMENT

A 15 foot wide Access/Utility Easement being a part of Lot 1 of Certified Survey Map No. 4188, recorded in Volume 28 of Certified Survey Maps on Page 253 of Document No. 747027, being a part of the Northwest Quarter (NW 1/4) of the Southwest Quarter (SW 1/4) of Section Twenty-Three (23), Township Two (2) North, Range Sixteen (16) East, Town of DeLeon, Walworth County, Wisconsin, containing 2,508 square feet (0.058 acre) of land and being described by:

Commencing at the West Quarter Corner of said Section 23; thence N89°21'26"E along the North line of the SW 1/4 of said Section 23 a distance of 1041.32 feet; thence S88°38'34"E to the point of beginning; thence S87°18'40"E to the point of beginning; thence S88°43'20"W 74.00 feet; thence S87°16'49"W 33.00 feet; thence N89°14'25"E 26.74 feet; thence N89°14'25"E 26.74 feet to the point of beginning. Also, beginning at said Point "A", thence S88°17'42"W 105.87 feet; thence S88°18'25"W 12.53 feet; thence S88°18'25"W 12.53 feet; thence N89°40'19"W 74.01 feet to the South right-oh-the-way line of the Northwest Quarter (NW 1/4) of said Section 23; a distance of 1041.32 feet; thence S87°21'26"E along the North line of the SW 1/4 of said Section 23 a distance of 1041.32 feet; thence S88°38'34"E to the point of beginning; thence S87°18'40"E to the point of beginning; thence S88°43'20"W 74.00 feet; thence S87°16'49"W 33.00 feet; thence N89°14'25"E 26.74 feet to the point of beginning. The side and line of said easement are to be ascertained or implied to terminate at the East line of Lot 1.

10 FOOT WIDE UTILITY EASEMENT

A 10 foot wide Utility Easement being a part of Lot 1 of Certified Survey Map No. 4188, recorded in Volume 28 of Certified Survey Maps on Page 253 of Document No. 747027, being a part of the Northwest Quarter (NW 1/4) of the Southwest Quarter (SW 1/4) of Section Twenty-Three (23), Township Two (2) North, Range Sixteen (16) East, Town of DeLeon, Walworth County, Wisconsin, containing 2,508 square feet (0.058 acre) of land and being described by:

Commencing at the West Quarter Corner of said Section 23; thence N89°21'26"E along the North line of the SW 1/4 of said Section 23 a distance of 1041.32 feet; thence S88°38'34"E to the point of beginning; thence S87°18'40"E to the point of beginning; thence S88°43'20"W 74.00 feet; thence S87°16'49"W 33.00 feet; thence N89°14'25"E 26.74 feet; thence N89°14'25"E 26.74 feet to the point of beginning. Also, beginning at said Point "A", thence S88°17'42"W 105.87 feet; thence S88°18'25"W 12.53 feet; thence S88°18'25"W 12.53 feet; thence N89°40'19"W 74.01 feet to the South right-oh-the-way line of the Northwest Quarter (NW 1/4) of said Section 23; a distance of 1041.32 feet; thence S87°21'26"E along the North line of the SW 1/4 of said Section 23 a distance of 1041.32 feet; thence S88°38'34"E to the point of beginning; thence S87°18'40"E to the point of beginning; thence S88°43'20"W 74.00 feet; thence S87°16'49"W 33.00 feet; thence N89°14'25"E 26.74 feet to the point of beginning. The side and line of said easement are to be ascertained or implied to terminate at the East line of Lot 1.

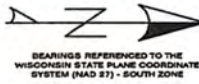


L. Craig A. Koch, hereby certifies that none of the property described herein is within a flood plain as defined by FEMA SURVEYORS CERTIFICATE

L. Craig A. Koch, Professional Land Surveyor of Mendota Surveying, LLC, certifies that I have surveyed the property shown on this plan and that I am a duly licensed and registered professional land surveyor in the State of Wisconsin.

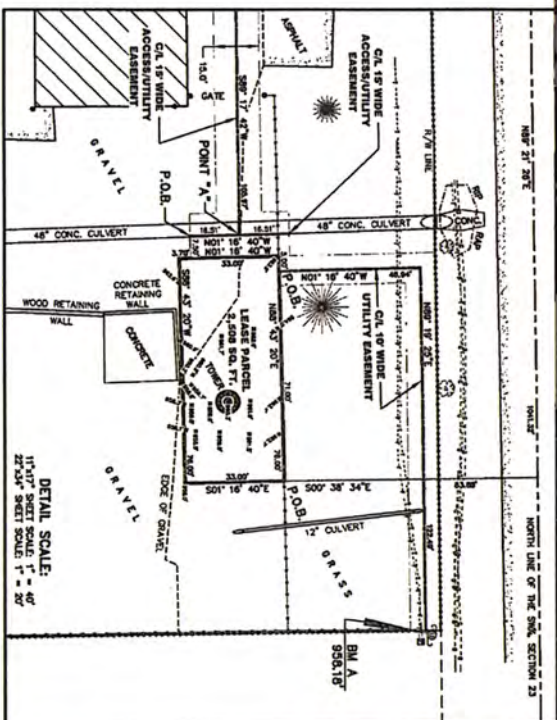
Dated this 22nd day of February, 2016

*L. Craig A. Koch*  
L. CRAIG A. KOCH  
PROFESSIONAL LAND SURVEYOR  
WISCONSIN STATE NO. 2233



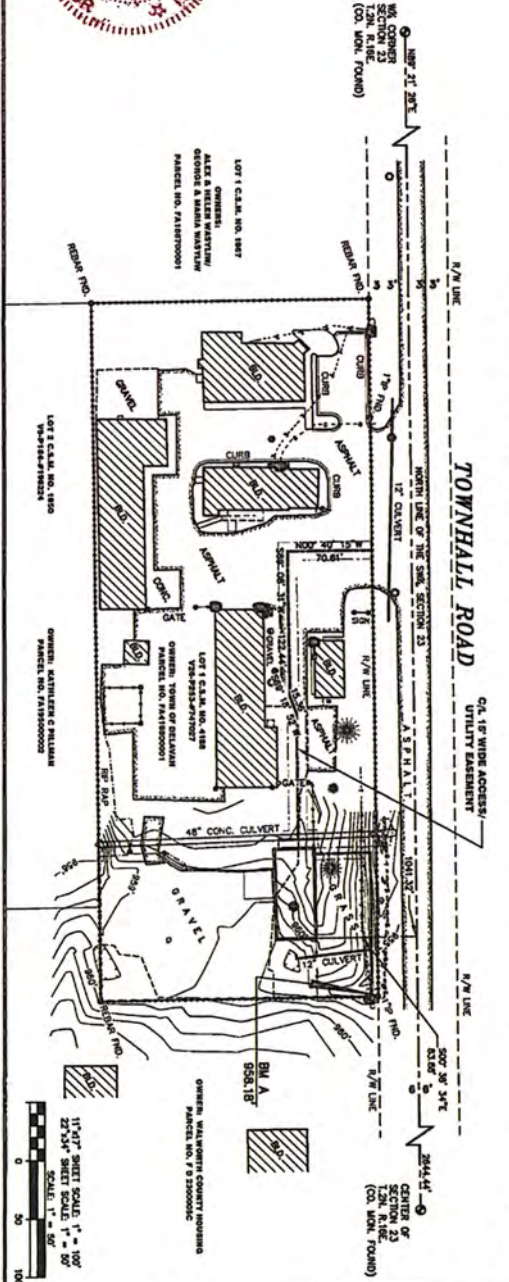
**TOWER BASE**

Latitude: 42°-37'-07.70"  
Longitude: 88°-34'-53.52"  
(Per North American Datum of 1983/91)  
Ground Elevation: 980.3'  
(Per National Geodetic Vertical Datum of 1929)



**LEGEND**

- 1/4" IRON PILE SET
- IRON PILE/REBAR FOUND
- CONCRETE PILE CORNER
- METAL PILE/REBAR FOUND
- METAL PILE CORNER
- ELECTRIC METER
- ELECTRIC METER
- ELECTRIC METER
- CLOUT BUSH
- EXISTING SIGN
- PILE
- EXISTING POWER POLE
- EXISTING LIGHT POLE
- QUI WIRE ANCHOR
- TELEPHONE FIBER/OPTIC
- ELECTRIC FIBER/OPTIC
- BOUND TELEPHONE
- BOUND ELECTRIC
- BOUND GAS LINE
- BOUND FIBER OPTIC
- EXISTING FENCE/LINE
- PROPERTY LINE
- CENTERED SURVEY MAP
- FIELD - POINT OF BEGINNING



1" = 40' SHEET SCALE  
22" x 34" SHEET SCALE  
SCALE: 1" = 40'

**U.S. Cellular**

LOT 1, C.S.M. NO. 4188, VOL. 28, PG. 253, DOC. NO. 747027, BEING PART OF THE NW 1/4 OF THE SW 1/4 OF SECTION 23, T2N, R16E, TOWN OF DELEON, WALWORTH COUNTY, WISCONSIN

**EDGE CONSULTING ENGINEERS, INC.**  
604 Water Street  
Prairie du Sac, WI 53578  
608.644.1499 voice  
608.644.1549 fax  
www.edgeconsult.com

**U.S. Cellular**  
640 WEST MAIN AVENUE  
CHICAGO, IL 60611

**MERIDIAN SURVEYING, LLC**  
10774 FRIELANE 1  
MOUNDVILLE, WV 26041  
800-253-0887  
800-253-0887

PROJECT: DELEON LAKE #788482

PREPARED FOR:  
EDGE CONSULTING ENGINEERS  
624 WATER STREET  
PRAIRIE DU SAC, WISCONSIN 53578

PREPARED FOR:  
U.S. CELLULAR  
3545 NORTH 124TH STREET  
BROOKFIELD, WISCONSIN 53005

PROPERTY OWNER:  
TOWN OF DELEON  
DELEON, WISCONSIN 53115

PROPERTY ADDRESS:  
DELEON, WISCONSIN 53115

PARCEL NO. 7418800001

| REV. DATE | REVISION DESCRIPTION |
|-----------|----------------------|
| 11-30-15  | PRELIMINARY          |
| 2-19-16   | REVISED EASEMENT     |

DWG. FILE: 0676      DATE: 11-30-15  
DRAWN BY: B.A.B      CHECKED BY: B.A.B  
PROJECT NO.: 0676  
NOTEBOOK: P-194      PAGE: 1 OF 71

U.S. CELLULAR  
PROJECT NAME:  
DELEON LAKE #788482

SHEET NO.  
1 OF 1

**GENERAL REQUIREMENTS**

1. THE WORK SHALL BE COMPLETED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS FOR CELLULAR FINISHED PLUMB AND SPECIFICATIONS AND THE REVISIONS THEREON.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING STANDARDS:
  - A. ALL APPROVAL LOCAL, STATE AND FEDERAL CODES AND REGULATIONS
  - B. NATIONAL BUILDING CODE (IBC) AND RELATED CODES ADMINISTERED THROUGH AS APPLICABLE
  - C. AMERICAN CONSULTING ENGINEERS ASSOCIATION (ACE) CODES
  - D. AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME) STANDARDS
  - E. ELECTRONIC INDUSTRIES ASSOCIATION (EIA) STANDARDS
  - F. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS
3. WHEN A CONFLICT OCCURS BETWEEN REFERENCED STANDARDS AND IS CANNOT BE RESOLVED THROUGH THE CODES, THE CONTRACTOR SHALL CONTACT THE ARCHITECT IMMEDIATELY.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, LICENSES AND APPROVALS FROM THE LOCAL, STATE AND FEDERAL AGENCIES FOR THE PROPOSED WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, LICENSES AND APPROVALS FROM THE LOCAL, STATE AND FEDERAL AGENCIES FOR THE PROPOSED WORK.
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23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, LICENSES AND APPROVALS FROM THE LOCAL, STATE AND FEDERAL AGENCIES FOR THE PROPOSED WORK.

**PLUMBING**

24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, LICENSES AND APPROVALS FROM THE LOCAL, STATE AND FEDERAL AGENCIES FOR THE PROPOSED WORK.
25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, LICENSES AND APPROVALS FROM THE LOCAL, STATE AND FEDERAL AGENCIES FOR THE PROPOSED WORK.
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29. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, LICENSES AND APPROVALS FROM THE LOCAL, STATE AND FEDERAL AGENCIES FOR THE PROPOSED WORK.
30. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, LICENSES AND APPROVALS FROM THE LOCAL, STATE AND FEDERAL AGENCIES FOR THE PROPOSED WORK.

**CEILING AND PARTITIONS**

31. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, LICENSES AND APPROVALS FROM THE LOCAL, STATE AND FEDERAL AGENCIES FOR THE PROPOSED WORK.
32. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, LICENSES AND APPROVALS FROM THE LOCAL, STATE AND FEDERAL AGENCIES FOR THE PROPOSED WORK.
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35. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, LICENSES AND APPROVALS FROM THE LOCAL, STATE AND FEDERAL AGENCIES FOR THE PROPOSED WORK.

**Edge Consulting Engineers, Inc.**  
 434 Wauw Water  
 Phone: 414.505.3558  
 414.505.1499 fax  
 414.505.1499  
[www.edgeconsult.com](http://www.edgeconsult.com)

**SPECIFICATIONS**  
**DELANAN LAKE [786492]**  
**DELANAN, WISCONSIN**

REVISIONS  
 NO. BY DATE  
 1. BY [Redacted] [Redacted]  
 2. BY [Redacted] [Redacted]  
 3. BY [Redacted] [Redacted]

DESIGNED BY  
 DRAWN BY  
 PROJECT #  
 TITLE  
 SHEET NUMBER  
**SP-1**



15/300/1345 CAD/INT/CD/CL/CL/AM

**AERIAL OVERVIEW OF SITE**

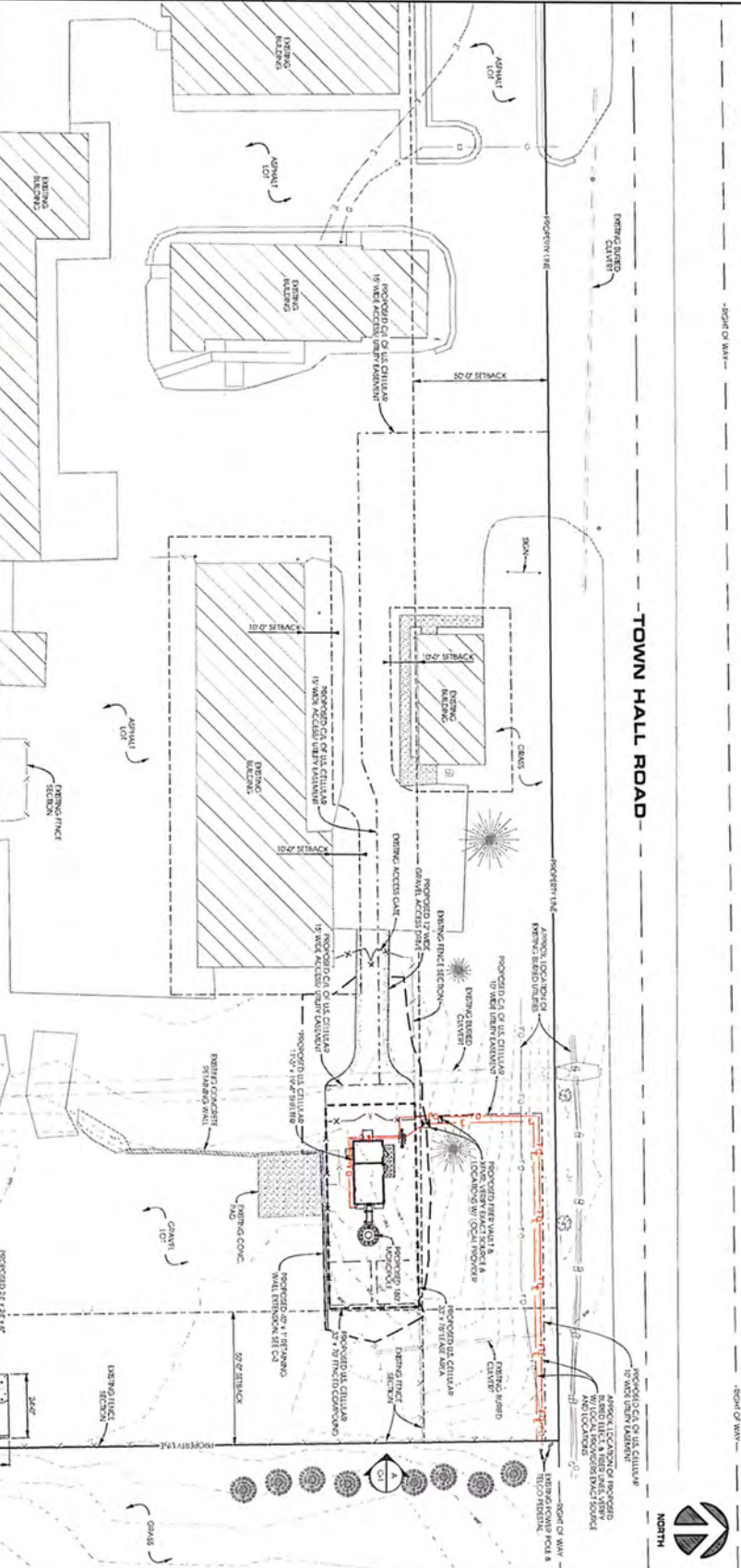


**EXISTING SITE OVERVIEW**



**C-1**

| NO. | DATE       | BY | CHKD BY |
|-----|------------|----|---------|
| 1   | 11/08/2011 | MM | MM      |
| 2   | 02/07/2012 | MM | MM      |
| 3   | 02/07/2012 | MM | MM      |
| 4   | 02/07/2012 | MM | MM      |
| 5   | 02/07/2012 | MM | MM      |
| 6   | 02/07/2012 | MM | MM      |
| 7   | 02/07/2012 | MM | MM      |
| 8   | 02/07/2012 | MM | MM      |
| 9   | 02/07/2012 | MM | MM      |
| 10  | 02/07/2012 | MM | MM      |
| 11  | 02/07/2012 | MM | MM      |
| 12  | 02/07/2012 | MM | MM      |
| 13  | 02/07/2012 | MM | MM      |
| 14  | 02/07/2012 | MM | MM      |
| 15  | 02/07/2012 | MM | MM      |
| 16  | 02/07/2012 | MM | MM      |
| 17  | 02/07/2012 | MM | MM      |
| 18  | 02/07/2012 | MM | MM      |
| 19  | 02/07/2012 | MM | MM      |
| 20  | 02/07/2012 | MM | MM      |



**SITE PLAN**  
**DELANE LAKE [786492]**  
**DELANE, WISCONSIN**

**Edge**  
 Consulting Engineers, Inc.  
 624 Water Street  
 P.O. Box 1629  
 Delavan, WI 53115  
 www.edgecorp.com



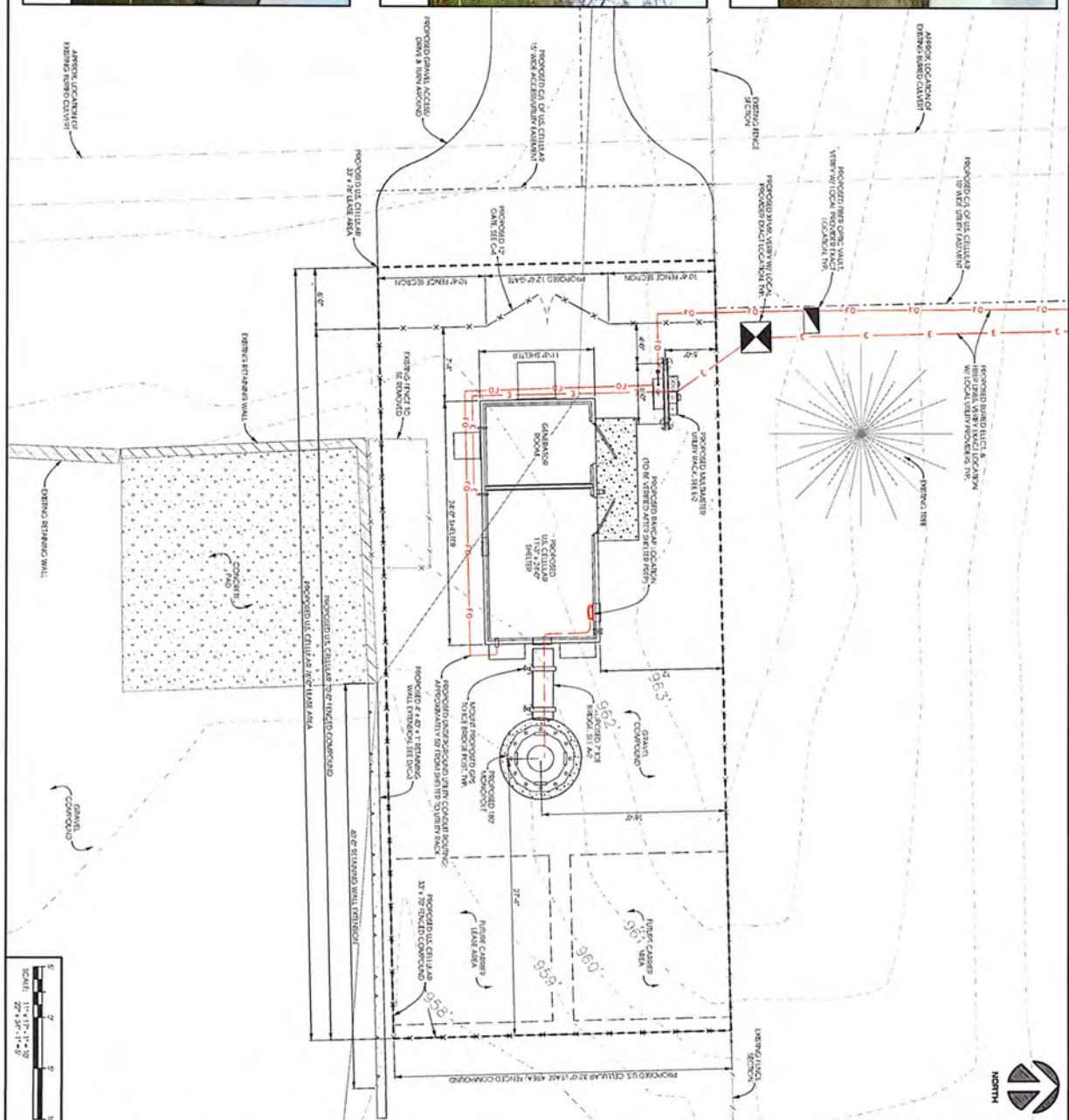
**PROPOSED COMPOUND LOCATION  
[LOOKING SOUTHWEST]**



**PROPOSED COMPOUND LOCATION  
[LOOKING WEST]**



**PROPOSED COMPOUND LOCATION  
[LOOKING EAST]**



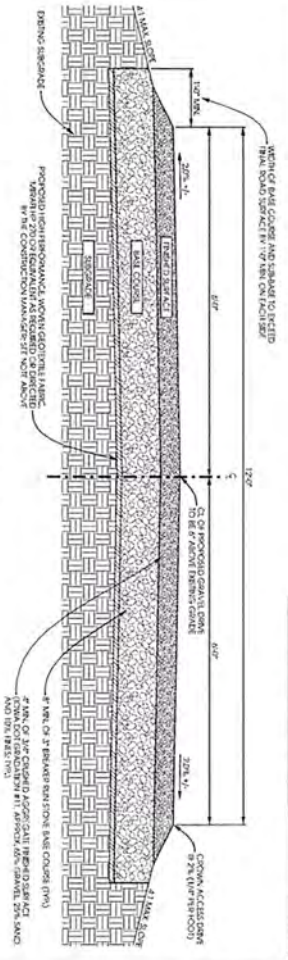
| NO. | DATE     | BY | CHKD. | DESCRIPTION  |
|-----|----------|----|-------|--------------|
| 1   | 11/20/13 | MM | MM    | FINAL PLAN   |
| 2   | 11/20/13 | MM | MM    | REVISED PLAN |
| 3   | 11/20/13 | MM | MM    | REVISED PLAN |
| 4   | 11/20/13 | MM | MM    | REVISED PLAN |
| 5   | 11/20/13 | MM | MM    | REVISED PLAN |
| 6   | 11/20/13 | MM | MM    | REVISED PLAN |
| 7   | 11/20/13 | MM | MM    | REVISED PLAN |
| 8   | 11/20/13 | MM | MM    | REVISED PLAN |
| 9   | 11/20/13 | MM | MM    | REVISED PLAN |
| 10  | 11/20/13 | MM | MM    | REVISED PLAN |

**ENLARGED SITE PLAN  
DELANAN LAKE [786492]  
DELANAN, WISCONSIN**

**Edge**  
Consulting Engineers, Inc.

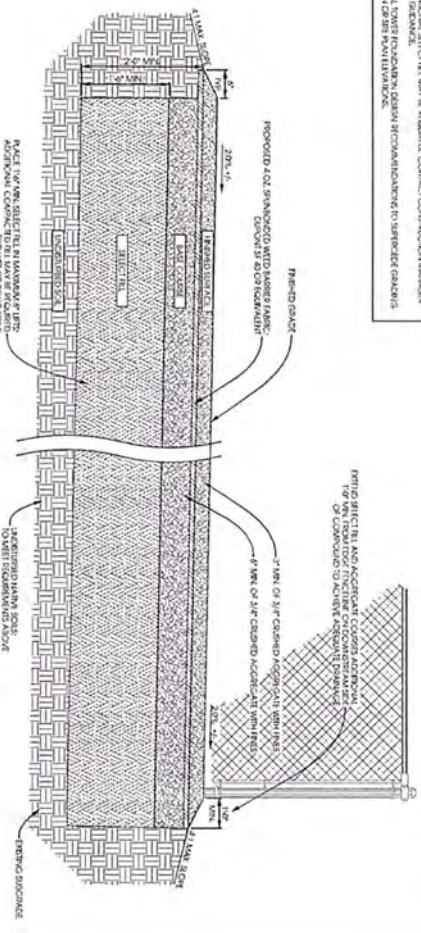
604 Wagon Street  
Poulsbo, WA 98278  
360.644.1429 ext 20  
360.644.1509 fax  
www.edgeconsult.com

**NOTES:**  
 1. ALL FRESH CONCRETE SHALL BE PROTECTED FROM FREEZING AND THAWING CYCLES BY COVERING WITH A MINIMUM OF 2" OF INSULATION. THE INSULATION SHALL BE COVERED WITH A MINIMUM OF 1" OF GRANULAR FILL. THE GRANULAR FILL SHALL BE COMPACTED TO 95% MOISTURE PROVISION AND VERIFIED BY RECORDS OF GEOTECHNICAL INVESTIGATION.  
 2. CONCRETE SHALL BE PROTECTED FROM FREEZING AND THAWING CYCLES BY COVERING WITH A MINIMUM OF 2" OF INSULATION. THE INSULATION SHALL BE COVERED WITH A MINIMUM OF 1" OF GRANULAR FILL. THE GRANULAR FILL SHALL BE COMPACTED TO 95% MOISTURE PROVISION AND VERIFIED BY RECORDS OF GEOTECHNICAL INVESTIGATION.



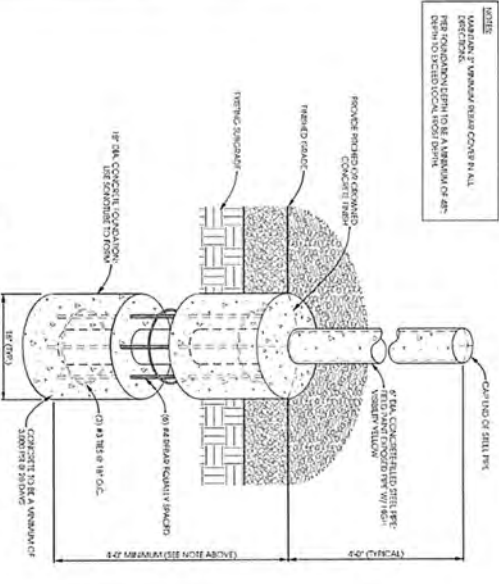
**A GRAVEL DRIVE CROSS SECTION**  
 SCALE: 11" x 17" - 1/2" = 1'-0"  
 22" x 34" - 1" = 1'-0"

**NOTES:**  
 1. ALL FRESH CONCRETE SHALL BE PROTECTED FROM FREEZING AND THAWING CYCLES BY COVERING WITH A MINIMUM OF 2" OF INSULATION. THE INSULATION SHALL BE COVERED WITH A MINIMUM OF 1" OF GRANULAR FILL. THE GRANULAR FILL SHALL BE COMPACTED TO 95% MOISTURE PROVISION AND VERIFIED BY RECORDS OF GEOTECHNICAL INVESTIGATION.  
 2. CONCRETE SHALL BE PROTECTED FROM FREEZING AND THAWING CYCLES BY COVERING WITH A MINIMUM OF 2" OF INSULATION. THE INSULATION SHALL BE COVERED WITH A MINIMUM OF 1" OF GRANULAR FILL. THE GRANULAR FILL SHALL BE COMPACTED TO 95% MOISTURE PROVISION AND VERIFIED BY RECORDS OF GEOTECHNICAL INVESTIGATION.



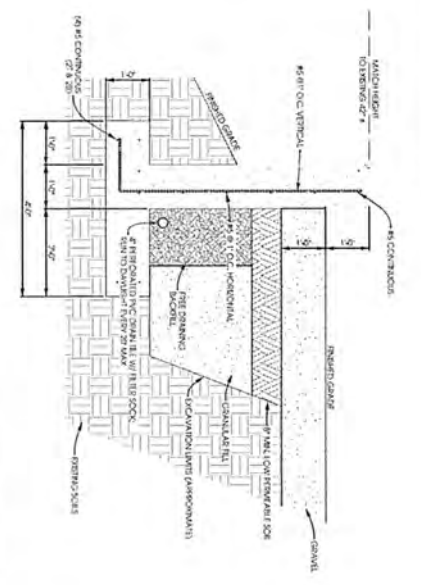
**B COMPOUND CROSS SECTION**  
 SCALE: NTS

**GRAVEL ROAD ESTABLISHMENT**  
 1. ALL FRESH CONCRETE SHALL BE PROTECTED FROM FREEZING AND THAWING CYCLES BY COVERING WITH A MINIMUM OF 2" OF INSULATION. THE INSULATION SHALL BE COVERED WITH A MINIMUM OF 1" OF GRANULAR FILL. THE GRANULAR FILL SHALL BE COMPACTED TO 95% MOISTURE PROVISION AND VERIFIED BY RECORDS OF GEOTECHNICAL INVESTIGATION.  
 2. CONCRETE SHALL BE PROTECTED FROM FREEZING AND THAWING CYCLES BY COVERING WITH A MINIMUM OF 2" OF INSULATION. THE INSULATION SHALL BE COVERED WITH A MINIMUM OF 1" OF GRANULAR FILL. THE GRANULAR FILL SHALL BE COMPACTED TO 95% MOISTURE PROVISION AND VERIFIED BY RECORDS OF GEOTECHNICAL INVESTIGATION.



**C PIPE BOLLARD DETAIL**  
 SCALE: 11" x 17" - 1/2" = 1'-0"  
 22" x 34" - 1" = 1'-0"

**NOTES:**  
 1. ALL FRESH CONCRETE SHALL BE PROTECTED FROM FREEZING AND THAWING CYCLES BY COVERING WITH A MINIMUM OF 2" OF INSULATION. THE INSULATION SHALL BE COVERED WITH A MINIMUM OF 1" OF GRANULAR FILL. THE GRANULAR FILL SHALL BE COMPACTED TO 95% MOISTURE PROVISION AND VERIFIED BY RECORDS OF GEOTECHNICAL INVESTIGATION.  
 2. CONCRETE SHALL BE PROTECTED FROM FREEZING AND THAWING CYCLES BY COVERING WITH A MINIMUM OF 2" OF INSULATION. THE INSULATION SHALL BE COVERED WITH A MINIMUM OF 1" OF GRANULAR FILL. THE GRANULAR FILL SHALL BE COMPACTED TO 95% MOISTURE PROVISION AND VERIFIED BY RECORDS OF GEOTECHNICAL INVESTIGATION.



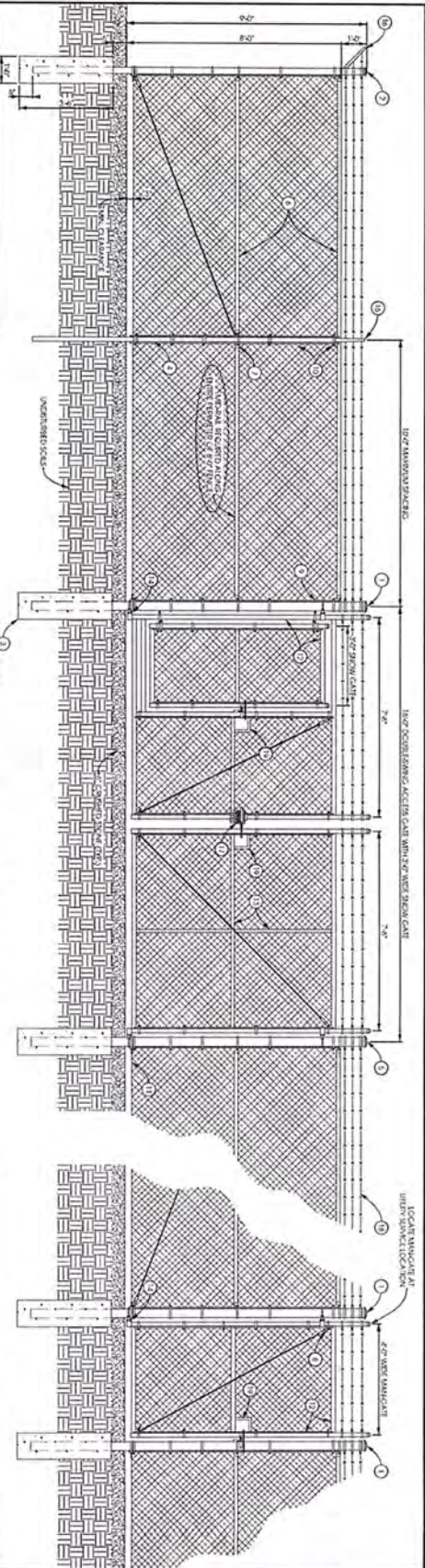
**D RETAINING WALL EXTENSION DETAIL**  
 SCALE: 11" x 17" - 1/2" = 1'-0"  
 22" x 34" - 1" = 1'-0"

**C-3**

**CONSTRUCTION DETAILS**  
 DELAVAN LAKE [786492]  
 DELAVAN, WISCONSIN

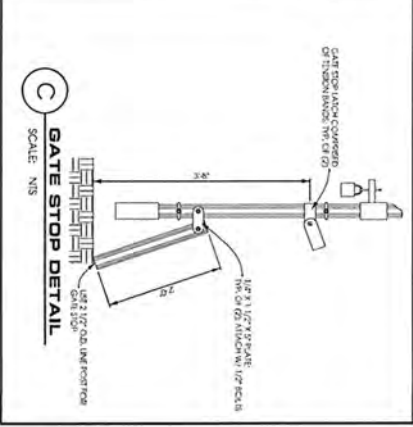
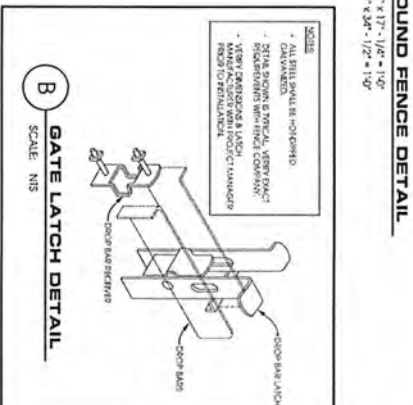
**Edge**  
 Consulting Engineers, Inc.  
 624 Water Street  
 Appleton, WI 54912  
 920.844.1424  
 www.edgecorp.com

| NO. | DATE     | DESCRIPTION              |
|-----|----------|--------------------------|
| 1   | 11/10/11 | ISSUED FOR PERMIT        |
| 2   | 04/14/14 | REVISED FOR CONSTRUCTION |
| 3   | 04/14/14 | REVISED FOR CONSTRUCTION |
| 4   | 04/14/14 | REVISED FOR CONSTRUCTION |
| 5   | 04/14/14 | REVISED FOR CONSTRUCTION |
| 6   | 04/14/14 | REVISED FOR CONSTRUCTION |
| 7   | 04/14/14 | REVISED FOR CONSTRUCTION |
| 8   | 04/14/14 | REVISED FOR CONSTRUCTION |
| 9   | 04/14/14 | REVISED FOR CONSTRUCTION |
| 10  | 04/14/14 | REVISED FOR CONSTRUCTION |



**A** COMPOUND FENCE DETAIL  
SCALE: 1/4" = 1'-0" / 1/8" = 1'-0"

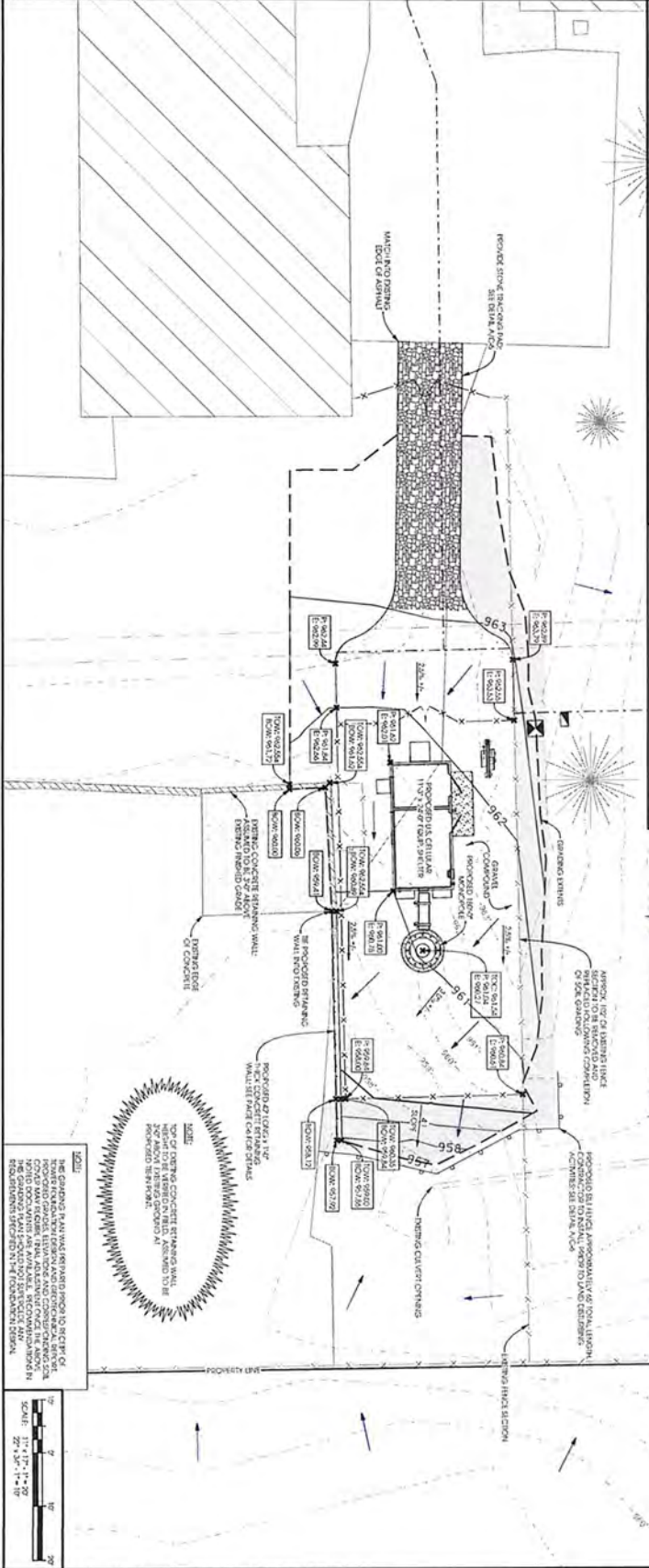
- DETAILS NOTES:**
1. 2" O.D. GALVANIZED STEEL, 20 GAUGE, 6" HIGH POST.
  2. 2" O.D. GALVANIZED STEEL, 20 GAUGE, 6" HIGH POST.
  3. CONCRETE FIBER REINFORCED TO ACHIEVE A MINIMUM STRENGTH OF 2000 PSI AT 28 DAYS. CONCRETE DEPTH TO BE APPROXIMATELY 2" BELOW POST TO PROVIDE PROPER CURING.
  4. 2" O.D. GALVANIZED STEEL, 20 GAUGE, 6" HIGH POST. LINE POSTS SHALL BE SPACED AT MAXIMUM 12'-0".
  5. FIBER POST CAP (SEE NOTES)
  6. 1/2" O.D. TOP RAIL & 1/2" O.D. POST RAIL.
  7. 1/2" O.D. TOP RAIL WITH 1/2" HOLE SPACING.
  8. 1/2" O.D. TOP RAIL WITH 1/2" HOLE SPACING.
  9. 1/2" O.D. TOP RAIL WITH 1/2" HOLE SPACING.
  10. 1/2" O.D. TOP RAIL WITH 1/2" HOLE SPACING.
  11. 1/2" O.D. GALVANIZED STEEL, 20 GAUGE, 6" HIGH POST.
  12. 1/2" O.D. GALVANIZED STEEL, 20 GAUGE, 6" HIGH POST.
  13. 1/2" O.D. GALVANIZED STEEL, 20 GAUGE, 6" HIGH POST.
  14. 1/2" O.D. GALVANIZED STEEL, 20 GAUGE, 6" HIGH POST.
  15. 1/2" O.D. GALVANIZED STEEL, 20 GAUGE, 6" HIGH POST.
  16. 1/2" O.D. GALVANIZED STEEL, 20 GAUGE, 6" HIGH POST.
  17. 1/2" O.D. GALVANIZED STEEL, 20 GAUGE, 6" HIGH POST.
  18. 1/2" O.D. GALVANIZED STEEL, 20 GAUGE, 6" HIGH POST.
  19. 1/2" O.D. GALVANIZED STEEL, 20 GAUGE, 6" HIGH POST.
  20. 1/2" O.D. GALVANIZED STEEL, 20 GAUGE, 6" HIGH POST.



**GENERAL NOTES**

11. 2" O.D. GALVANIZED STEEL, 20 GAUGE, 6" HIGH POST.
12. 2" O.D. GALVANIZED STEEL, 20 GAUGE, 6" HIGH POST.
13. CONCRETE FIBER REINFORCED TO ACHIEVE A MINIMUM STRENGTH OF 2000 PSI AT 28 DAYS. CONCRETE DEPTH TO BE APPROXIMATELY 2" BELOW POST TO PROVIDE PROPER CURING.
14. 2" O.D. GALVANIZED STEEL, 20 GAUGE, 6" HIGH POST. LINE POSTS SHALL BE SPACED AT MAXIMUM 12'-0".
15. FIBER POST CAP (SEE NOTES)
16. 1/2" O.D. TOP RAIL & 1/2" O.D. POST RAIL.
17. 1/2" O.D. TOP RAIL WITH 1/2" HOLE SPACING.
18. 1/2" O.D. TOP RAIL WITH 1/2" HOLE SPACING.
19. 1/2" O.D. TOP RAIL WITH 1/2" HOLE SPACING.
20. 1/2" O.D. TOP RAIL WITH 1/2" HOLE SPACING.
21. 1/2" O.D. GALVANIZED STEEL, 20 GAUGE, 6" HIGH POST.
22. 1/2" O.D. GALVANIZED STEEL, 20 GAUGE, 6" HIGH POST.
23. 1/2" O.D. GALVANIZED STEEL, 20 GAUGE, 6" HIGH POST.
24. 1/2" O.D. GALVANIZED STEEL, 20 GAUGE, 6" HIGH POST.
25. 1/2" O.D. GALVANIZED STEEL, 20 GAUGE, 6" HIGH POST.
26. 1/2" O.D. GALVANIZED STEEL, 20 GAUGE, 6" HIGH POST.
27. 1/2" O.D. GALVANIZED STEEL, 20 GAUGE, 6" HIGH POST.
28. 1/2" O.D. GALVANIZED STEEL, 20 GAUGE, 6" HIGH POST.
29. 1/2" O.D. GALVANIZED STEEL, 20 GAUGE, 6" HIGH POST.
30. 1/2" O.D. GALVANIZED STEEL, 20 GAUGE, 6" HIGH POST.
31. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS AND DRAWINGS FOR THIS PROJECT.
32. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS AND DRAWINGS FOR THIS PROJECT.
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59. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS AND DRAWINGS FOR THIS PROJECT.
60. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS AND DRAWINGS FOR THIS PROJECT.





| DATE       | BY | REVISION     |
|------------|----|--------------|
| 12/14/2007 | JH | FINAL DESIGN |
| 11/22/2007 | JH | FINAL DESIGN |
| 11/15/2007 | JH | FINAL DESIGN |
| 11/15/2007 | JH | FINAL DESIGN |
| 11/15/2007 | JH | FINAL DESIGN |
| 11/15/2007 | JH | FINAL DESIGN |
| 11/15/2007 | JH | FINAL DESIGN |
| 11/15/2007 | JH | FINAL DESIGN |
| 11/15/2007 | JH | FINAL DESIGN |
| 11/15/2007 | JH | FINAL DESIGN |

|              |          |
|--------------|----------|
| PROJECT #    |          |
| PROJECT NAME |          |
| CLIENT       |          |
| DATE         |          |
| DRAWN BY     |          |
| CHECKED BY   |          |
| SCALE        | AS SHOWN |

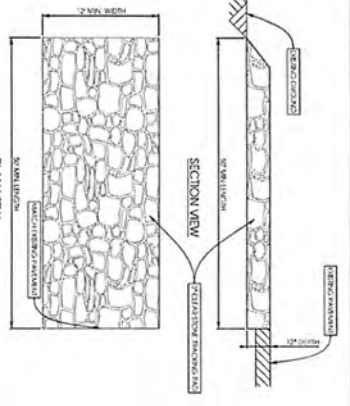
# GRADING PLAN

## DELAVAN LAKE [786492]

### DELAVAN, WISCONSIN



**Edge**  
Consulting Engineers, Inc.  
624 Water Street  
P.O. Box 125  
DeLavan, WI 53018  
(920) 844-1424  
www.edgeconsulting.com



**(A) SCALE: NTS**

- GRADING & EROSION CONTROL NOTES**
- ALL GRADING SHALL BE ACCORDING TO THE NOTES DIVIDED TO INDICATE THE REQUIRED ELEVATION. THE REQUIRED ELEVATION SHALL BE SHOWN AT THE CORNERS OF ALL BUILDINGS, AT THE TOP AND BOTTOM OF ALL SLOPES, AT THE CENTERLINE OF ALL DRIVEWAYS, AND AT THE CENTERLINE OF ALL SIDEWALKS.
  - EXISTING CONCRETE SHALL BE REPAIRED WITH CONCRETE OF THE SAME STRENGTH AND FINISH AS THE EXISTING CONCRETE.
  - ALL OPENINGS IN CURBS SHALL BE REPAIRED WITH CONCRETE OF THE SAME STRENGTH AND FINISH AS THE EXISTING CONCRETE.
  - ALL OPENINGS IN WALLS SHALL BE REPAIRED WITH CONCRETE OF THE SAME STRENGTH AND FINISH AS THE EXISTING CONCRETE.
  - ALL OPENINGS IN FLOORS SHALL BE REPAIRED WITH CONCRETE OF THE SAME STRENGTH AND FINISH AS THE EXISTING CONCRETE.
  - ALL OPENINGS IN CEILING SHALL BE REPAIRED WITH CONCRETE OF THE SAME STRENGTH AND FINISH AS THE EXISTING CONCRETE.
  - ALL OPENINGS IN ROOF SHALL BE REPAIRED WITH CONCRETE OF THE SAME STRENGTH AND FINISH AS THE EXISTING CONCRETE.
  - ALL OPENINGS IN WALLS SHALL BE REPAIRED WITH CONCRETE OF THE SAME STRENGTH AND FINISH AS THE EXISTING CONCRETE.
  - ALL OPENINGS IN FLOORS SHALL BE REPAIRED WITH CONCRETE OF THE SAME STRENGTH AND FINISH AS THE EXISTING CONCRETE.
  - ALL OPENINGS IN CEILING SHALL BE REPAIRED WITH CONCRETE OF THE SAME STRENGTH AND FINISH AS THE EXISTING CONCRETE.
  - ALL OPENINGS IN ROOF SHALL BE REPAIRED WITH CONCRETE OF THE SAME STRENGTH AND FINISH AS THE EXISTING CONCRETE.

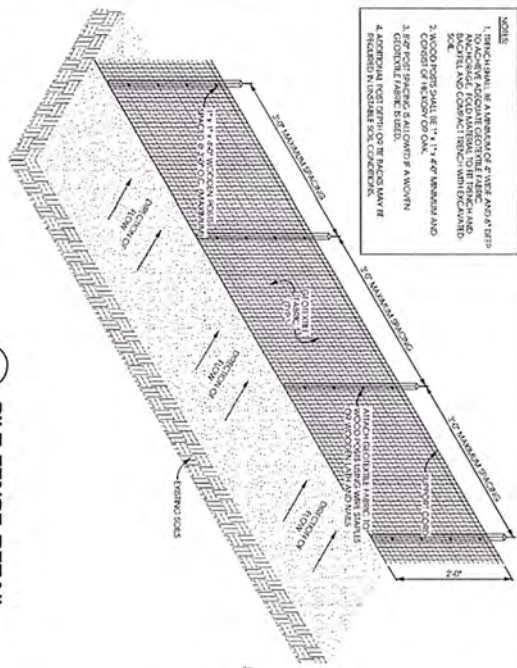
**GRADING LEGEND**

|            |                           |
|------------|---------------------------|
| ---96.3--- | EXISTING GRADES           |
| ---        | PROPOSED GRADES           |
| ---        | PROPOSED ELEVATIONS       |
| ---        | PROPOSED FINISH           |
| ---        | PROPOSED FINISH ELEVATION |
| ---        | PROPOSED ELEVATION        |
| ---        | PROPOSED ELEVATION        |
| ---        | PROPOSED ELEVATION        |
| ---        | PROPOSED ELEVATION        |
| ---        | PROPOSED ELEVATION        |
| ---        | PROPOSED ELEVATION        |
| ---        | PROPOSED ELEVATION        |

**NOTES:**

- THE GRADING PLAN WAS REVISED TO REFLECT THE LATEST INFORMATION AVAILABLE.
- ALL CONSTRUCTION SHALL BE ACCORDING TO THE NOTES AND THE REQUIREMENTS OF THE ENGINEERING DESIGN.
- ALL CONSTRUCTION SHALL BE ACCORDING TO THE NOTES AND THE REQUIREMENTS OF THE ENGINEERING DESIGN.

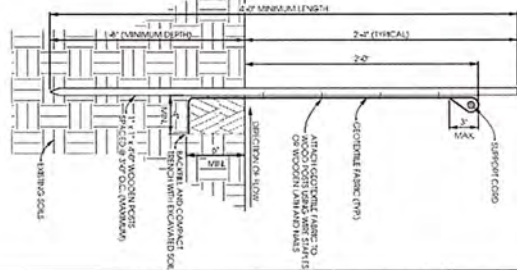




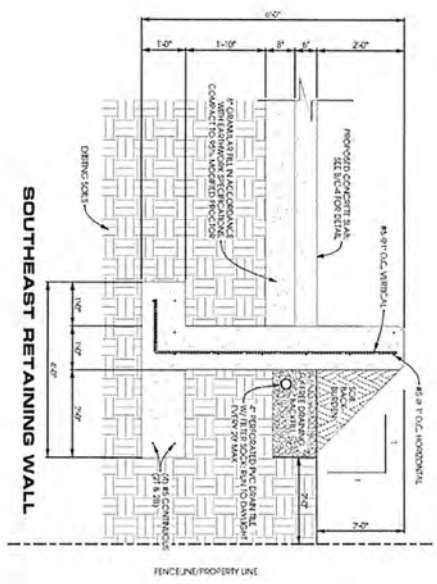
- NOTE**
1. FENCE SHALL BE A MINIMUM OF 2' HIGH AND 4" THICK UNLESS OTHERWISE SPECIFIED.
  2. FENCE SHALL BE CONSTRUCTED FROM 1/2" x 1/2" x 1/2" SCHEDULE 40 GALV. STEEL PIPE WITH 1/2" x 1/2" x 1/2" SCHEDULE 40 GALV. STEEL ANGLES AND CORNER IRONS WITH 1/2" x 1/2" x 1/2" SCHEDULE 40 GALV. STEEL BOLTS AND NUTS.
  3. WOOD POST SHALL BE 1" x 4" x 6" UNLESS OTHERWISE SPECIFIED.
  4. GEOTEXTILE FABRIC SHALL BE 100 G/SYD UNLESS OTHERWISE SPECIFIED.
  5. 2" x 2" x 1/2" SCHEDULE 40 GALV. STEEL ANGLES AND CORNER IRONS SHALL BE 1/2" x 1/2" x 1/2" SCHEDULE 40 GALV. STEEL UNLESS OTHERWISE SPECIFIED.
  6. 1/2" x 1/2" x 1/2" SCHEDULE 40 GALV. STEEL BOLTS AND NUTS SHALL BE 1/2" x 1/2" x 1/2" SCHEDULE 40 GALV. STEEL UNLESS OTHERWISE SPECIFIED.

**ISOMETRIC VIEW**  
SCALE: 1/4" = 1' - 1/2" = 1'-0"  
22' x 34' - 1/4" = 1'-0"

**A SILT FENCE DETAIL**  
SCALE: VARIES

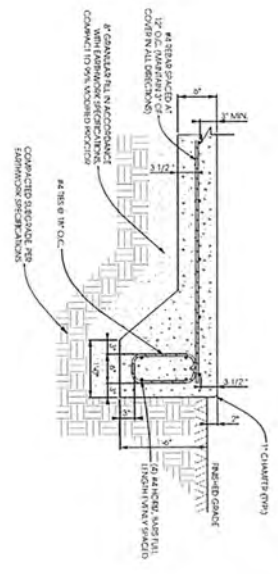


**ELEVATION VIEW**  
SCALE: 1/4" = 1' - 1/2" = 1'-0"  
22' x 34' - 1/4" = 1'-0"

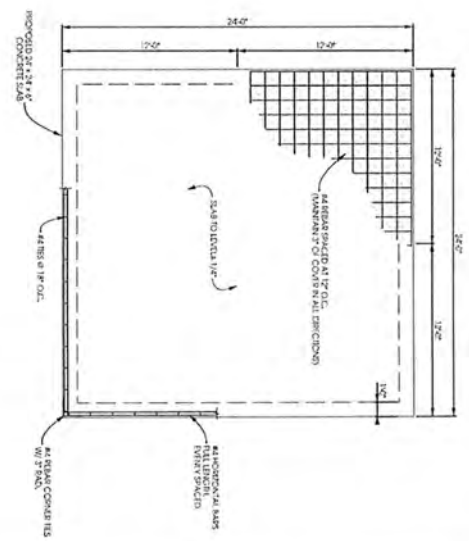


**B SOUTHEAST RETAINING WALL**  
SCALE: 1/4" = 1' - 1/2" = 1'-0"  
22' x 34' - 3/4" = 1'-0"

**C CONCRETE SLAB PROFILE DETAIL**  
SCALE: 1/4" = 1' - 1/2" = 1'-0"  
22' x 34' - 1/4" = 1'-0"



**D TYPICAL FOUNDATION DETAIL**  
SCALE: 1/4" = 1' - 1/2" = 1'-0"  
22' x 34' - 1/4" = 1'-0"



| NO. | DATE       | DESCRIPTION        |
|-----|------------|--------------------|
| 1   | 11/17/2021 | ISSUED FOR PERMIT  |
| 2   | 02/02/2022 | REVISED FOR PERMIT |
| 3   | 02/02/2022 | REVISED FOR PERMIT |
| 4   | 02/02/2022 | REVISED FOR PERMIT |
| 5   | 02/02/2022 | REVISED FOR PERMIT |
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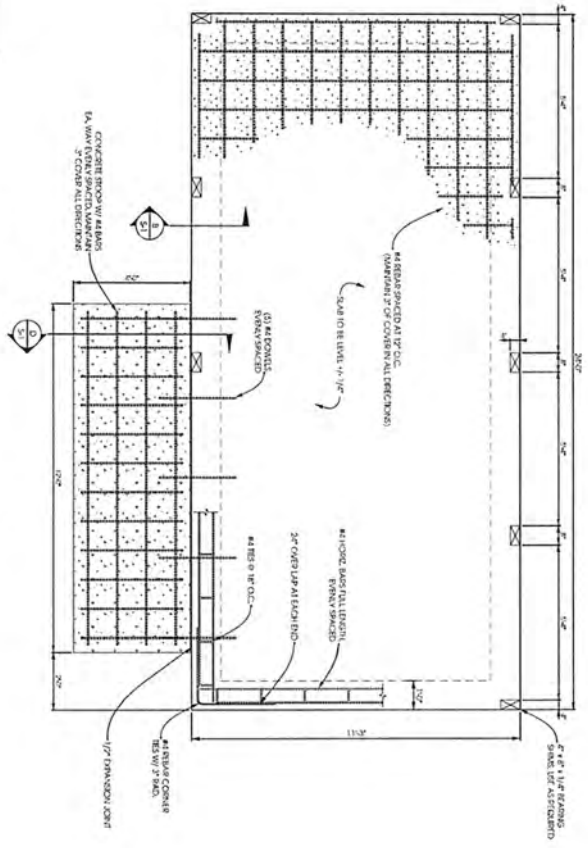
**SITE DETAILS**  
**DELANAN LAKE (786492)**  
**DELANAN, WISCONSIN**

**Edge**  
Consulting Engineers, Inc.  
424 Water Street  
Plymouth, WI 53074  
608.444.1622  
www.edgecorp.com

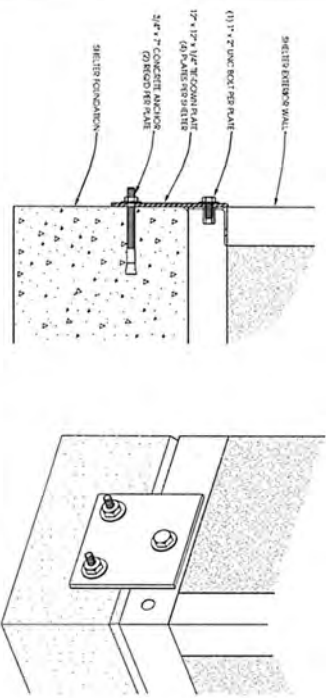
**C-6**

**REMARKS:**  
 1. FINISH SHALL COMPLY WITH STATE AND LOCAL SPECIFICATIONS AND TO MEET ALL APPLICABLE CODES.

**A SHELTER FOUNDATION PLAN**  
 11 x 17 - 1/2" = 1'-0"  
 22 x 34 - 1/2" = 1'-0"

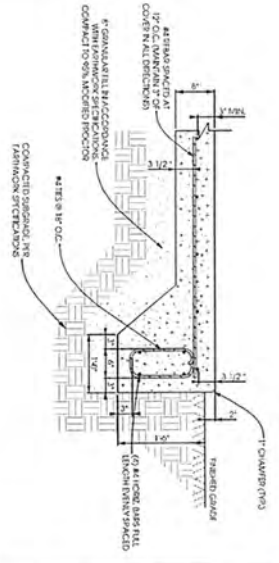


**C TIE DOWN PLATE DETAIL**  
 SCALE: 11 x 17 - 1/2" = 1'-0"  
 22 x 34 - 1/2" = 1'-0"

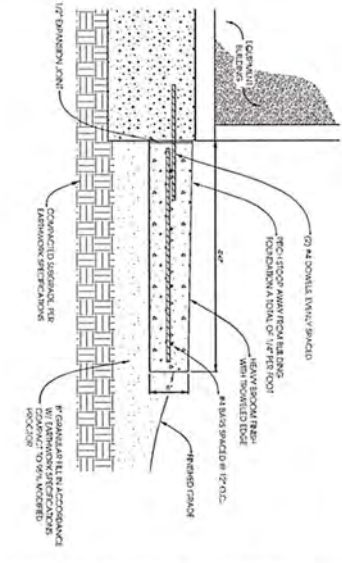


- CONDITIONS AND SPECIFICATIONS:**
1. ALL CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ALL APPLICABLE CODES.
  2. ALL CONCRETE SHALL BE PLACED AND CURED ACCORDING TO THE LATEST EDITION OF ALL APPLICABLE CODES.
  3. ALL CONCRETE SHALL BE PLACED AND CURED ACCORDING TO THE LATEST EDITION OF ALL APPLICABLE CODES.
  4. FINISH SHALL COMPLY WITH STATE AND LOCAL SPECIFICATIONS AND TO MEET ALL APPLICABLE CODES.
  5. CONCRETE SHALL BE PLACED AND CURED ACCORDING TO THE LATEST EDITION OF ALL APPLICABLE CODES.
  6. CONCRETE SHALL BE PLACED AND CURED ACCORDING TO THE LATEST EDITION OF ALL APPLICABLE CODES.
  7. CONCRETE SHALL BE PLACED AND CURED ACCORDING TO THE LATEST EDITION OF ALL APPLICABLE CODES.
  8. CONCRETE SHALL BE PLACED AND CURED ACCORDING TO THE LATEST EDITION OF ALL APPLICABLE CODES.
  9. CONCRETE SHALL BE PLACED AND CURED ACCORDING TO THE LATEST EDITION OF ALL APPLICABLE CODES.
  10. CONCRETE SHALL BE PLACED AND CURED ACCORDING TO THE LATEST EDITION OF ALL APPLICABLE CODES.

**B TYPICAL FOUNDATION DETAIL**  
 SCALE: 11 x 17 - 1/2" = 1'-0"  
 22 x 34 - 1/2" = 1'-0"



**D BUILDING STOOP DETAIL**  
 SCALE: 11 x 17 - 1/2" = 1'-0"  
 22 x 34 - 1/2" = 1'-0"

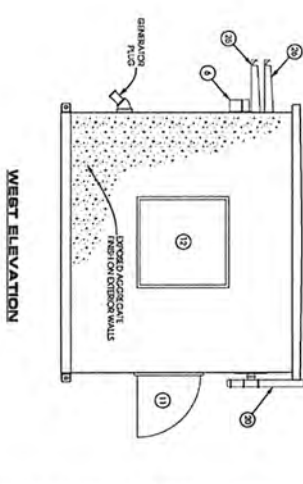
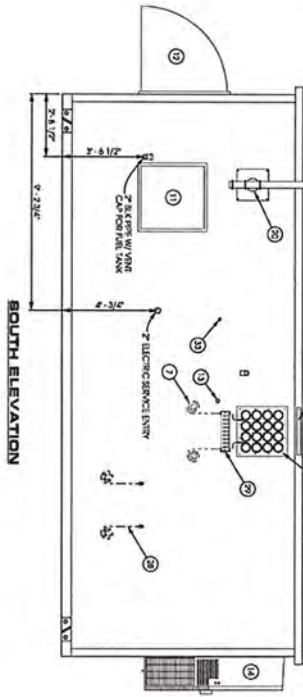
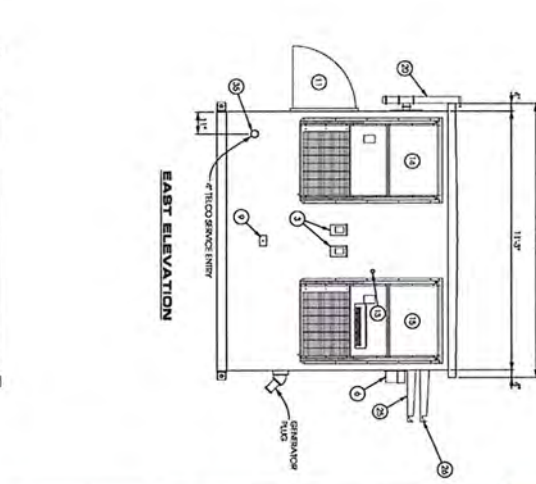
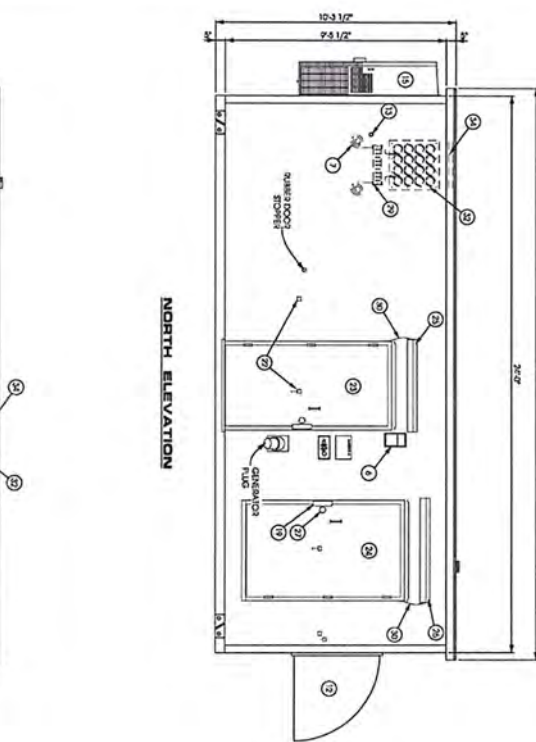


| NO. | DATE       | DESCRIPTION       |
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| 1   | 11/11/2021 | ISSUED FOR PERMIT |
| 2   | 11/11/2021 | ISSUED FOR PERMIT |
| 3   | 11/11/2021 | ISSUED FOR PERMIT |
| 4   | 11/11/2021 | ISSUED FOR PERMIT |
| 5   | 11/11/2021 | ISSUED FOR PERMIT |
| 6   | 11/11/2021 | ISSUED FOR PERMIT |
| 7   | 11/11/2021 | ISSUED FOR PERMIT |
| 8   | 11/11/2021 | ISSUED FOR PERMIT |
| 9   | 11/11/2021 | ISSUED FOR PERMIT |
| 10  | 11/11/2021 | ISSUED FOR PERMIT |

**FOUNDATION DETAILS**  
**DELANAN LAKE [786492]**  
**DELANAN, WISCONSIN**

**Edge**  
 Consulting Engineers, Inc.  
 624 Weber Street  
 Peshigo, WI 53268  
 920-646-1429 voice  
 920-646-1528 fax  
 www.edgecorp.com

| ITEM NO. | DESCRIPTION  |
|----------|--|
| 1        | 200K TYPICAL   |
| 2        | SERVICE ENTRY, 2' x 7' GALVANNEED METAL DOOR WITH 1/2" x 3/4" GALVANNEED METAL SILL (DO NOT INCLUDE)         |
| 3        | DOOR TO SERVICE ENTRY, 2' x 7' GALVANNEED METAL DOOR WITH 1/2" x 3/4" GALVANNEED METAL SILL (DO NOT INCLUDE) |
| 4        | DOOR TO SERVICE ENTRY, 2' x 7' GALVANNEED METAL DOOR WITH 1/2" x 3/4" GALVANNEED METAL SILL (DO NOT INCLUDE) |
| 5        | EXTERIOR FINISH  |
| 6        | INTERIOR FINISH  |
| 7        | WOOD FLOORING  |
| 8        | PAINT  |
| 9        | PAINT  |
| 10       | PAINT  |
| 11       | VENT HOOD, 12" x 12"   |
| 12       | VENT HOOD, 12" x 12"   |
| 13       | VENT HOOD, 12" x 12"   |
| 14       | VENT HOOD, 12" x 12"   |
| 15       | VENT HOOD, 12" x 12"   |
| 16       | VENT HOOD, 12" x 12"   |
| 17       | VENT HOOD, 12" x 12"   |
| 18       | VENT HOOD, 12" x 12"   |
| 19       | VENT HOOD, 12" x 12"   |
| 20       | VENT HOOD, 12" x 12"   |
| 21       | VENT HOOD, 12" x 12"   |
| 22       | VENT HOOD, 12" x 12"   |
| 23       | VENT HOOD, 12" x 12"   |
| 24       | VENT HOOD, 12" x 12"   |
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| 32       | VENT HOOD, 12" x 12"   |
| 33       | VENT HOOD, 12" x 12"   |
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| 39       | VENT HOOD, 12" x 12"   |
| 40       | VENT HOOD, 12" x 12"   |
| 41       | VENT HOOD, 12" x 12"   |
| 42       | VENT HOOD, 12" x 12"   |



**COOK REMARKS:**

- W/COOK COMMERCIAL BUILDING CODE
- 200K S.C. IFC
- OCCUPANT LOAD - 6
- NOT FINISHED FOR FINISH WORK
- SEE CODES 52 (R)C
- CONSTRUCTION TYPE - V - 8 (R)C

**DESIGN PARAMETERS:**

- ROOF LIVE LOAD 95 PSF
- ROOF DEAD LOAD 15 PSF
- WIND SPEED 140 MPH
- SEISMIC ZONE 4
- CONCRETE GRADES AT 2' INTERVALS
- CONCRETE GRADE 18" ON

**SPECIAL PROVISIONS:**

- SHELF BRACKETS 11" x 4" x 25"
- SHELVING PARALLEL TO WALLS 2" x 4" x 12" x 12" ON 11" x 4" x 25" BRACKETS
- CEILING 4" x 8" W/ 16" GRID FINISH
- FLOORING 1/2" x 3/4" G.V. METAL DECK WITH 1/4" x 3/4" x 1/4" G.V. METAL FLOORING
- WALLS 8" CMU WITH 1/2" X 1/2" TIE BARS
- DOORS 2' x 7' GALVANNEED METAL DOORS WITH 1/2" X 3/4" GALVANNEED METAL SILL
- WINDOWS 12" x 12" GALVANNEED METAL WINDOWS WITH 1/2" X 3/4" GALVANNEED METAL SILL

**FINISH SCHEDULE:**

- ITEM NO.** **DESCRIPTION**
- 1 200K TYPICAL
- 2 SERVICE ENTRY, 2' x 7' GALVANNEED METAL DOOR WITH 1/2" x 3/4" GALVANNEED METAL SILL (DO NOT INCLUDE)
- 3 DOOR TO SERVICE ENTRY, 2' x 7' GALVANNEED METAL DOOR WITH 1/2" x 3/4" GALVANNEED METAL SILL (DO NOT INCLUDE)
- 4 DOOR TO SERVICE ENTRY, 2' x 7' GALVANNEED METAL DOOR WITH 1/2" x 3/4" GALVANNEED METAL SILL (DO NOT INCLUDE)
- 5 EXTERIOR FINISH
- 6 INTERIOR FINISH
- 7 WOOD FLOORING
- 8 PAINT
- 9 PAINT
- 10 PAINT
- 11 VENT HOOD, 12" x 12"
- 12 VENT HOOD, 12" x 12"
- 13 VENT HOOD, 12" x 12"
- 14 VENT HOOD, 12" x 12"
- 15 VENT HOOD, 12" x 12"
- 16 VENT HOOD, 12" x 12"
- 17 VENT HOOD, 12" x 12"
- 18 VENT HOOD, 12" x 12"
- 19 VENT HOOD, 12" x 12"
- 20 VENT HOOD, 12" x 12"
- 21 VENT HOOD, 12" x 12"
- 22 VENT HOOD, 12" x 12"
- 23 VENT HOOD, 12" x 12"
- 24 VENT HOOD, 12" x 12"
- 25 VENT HOOD, 12" x 12"
- 26 VENT HOOD, 12" x 12"
- 27 VENT HOOD, 12" x 12"
- 28 VENT HOOD, 12" x 12"
- 29 VENT HOOD, 12" x 12"
- 30 VENT HOOD, 12" x 12"
- 31 VENT HOOD, 12" x 12"
- 32 VENT HOOD, 12" x 12"
- 33 VENT HOOD, 12" x 12"
- 34 VENT HOOD, 12" x 12"
- 35 VENT HOOD, 12" x 12"



**DELAWARE ENGINEERS, INC.**

624 Water Street  
 Prairie du Sac, WI 53578  
 608.661.1499 voice  
 608.661.1597 fax  
[www.delaengineers.com](http://www.delaengineers.com)

**SHEET TITLE**

**EQUIPMENT SHELTER**

**DELAVAN LAKE [786492]**

**DELAVAN, WISCONSIN**

**SCALE:** N.T.S.

**DATE:** 11/30/2011

**BY:** J. S. JONES

**CHECKED BY:** J. S. JONES

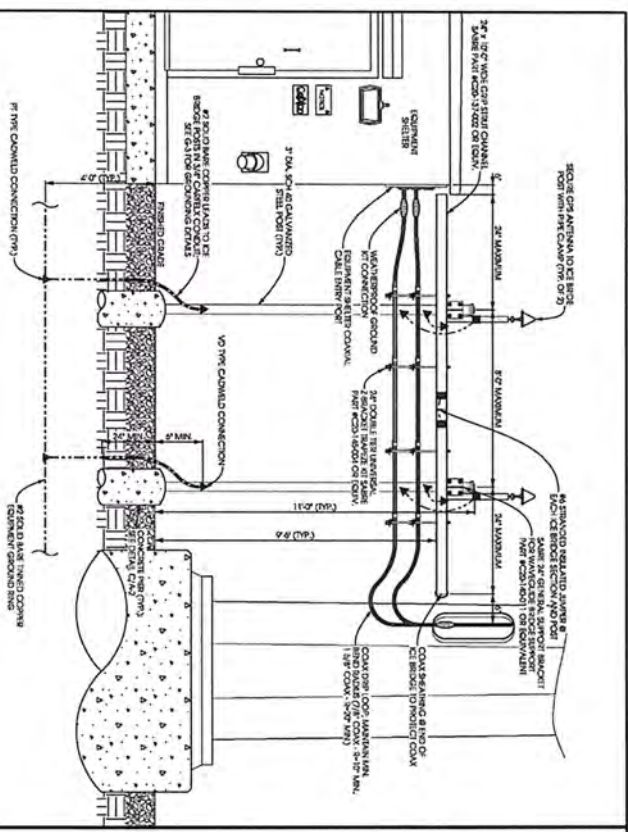
**DESIGNED BY:** J. S. JONES

**APPROVED BY:** J. S. JONES

**DELAWARE ENGINEERS, INC.**

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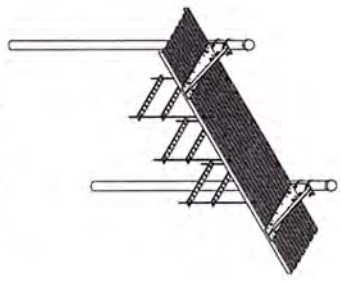




**SCALE:**  
 ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE. A UNIFORM DIMENSION SHALL BE INDICATED ON THE DRAWING TO INDICATE THAT THE DIMENSION IS TO BE MAINTAINED THROUGHOUT THE ENTIRE LENGTH OF THE MEMBER.

- ICE BRIDGE JOISTS:**
1. JOIST COMPONENTS AS SHOWN IN STANDARD DETAILS UNLESS ALLOWED TO VARY BETWEEN SUPPORTS ON A CONTIGUOUS SPAN SECTION OF BRIDGE CHANNEL SHALL BE 11 FEET FOR 10 FEET.
  2. COMPONENTS FOR SPACING BRIDGE CHANNELS SHOULD BE INDICATED IN THE SUPPORT & SPAN SECTION OF EACH CHANNEL SECTION.
  3. JOISTS SHALL BE 2 FEET FROM THE CENTERLINE OF EACH BRIDGE CHANNEL SECTION UNLESS A CALLOUT OR SERVICE CALL INDICATES OTHERWISE.
  4. JOIST BRIDGE CHANNELS SHOULD BE TREATED WITH AN ANTI-ICE COATING TO PREVENT ICE ACCUMULATION.
  5. ICE BRIDGES MAY BE CONSTRUCTED WITH COMPONENTS FROM MANUFACTURERS OTHER THAN THOSE SHOWN IN THIS DETAIL. THE MANUFACTURER'S INSTALLATION INSTRUCTIONS SHALL BE FOLLOWED.
  6. JOISTS SHALL BE INSTALLED ON CONTIGUOUS SPAN SECTIONS AS REQUIRED WITH THE BRIDGE CHANNELS.
  7. JOISTS SHALL BE INSTALLED ON THE SPAN SECTION OF BRIDGE CHANNELS AS REQUIRED WITH THE BRIDGE CHANNELS.

**A** TYP. ICE BRIDGE DETAIL  
 SCALE: NTS



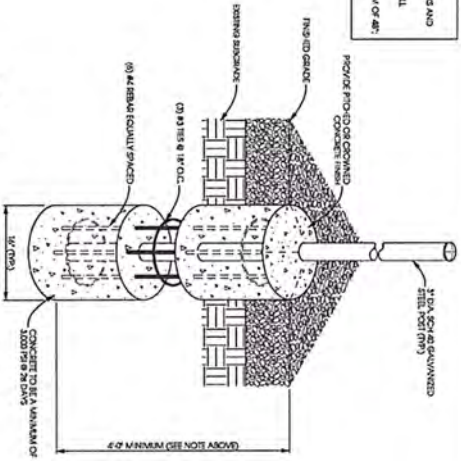
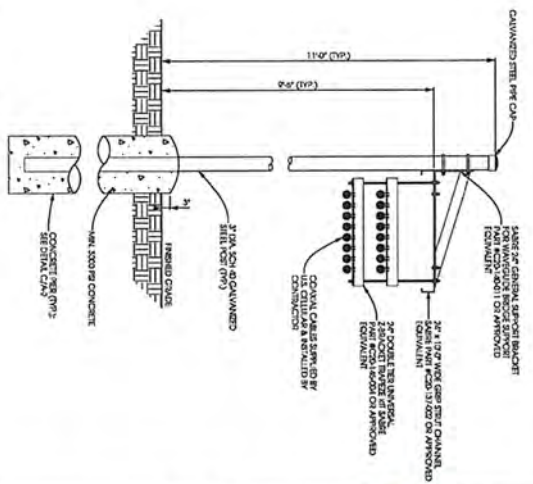
**ISOMETRIC VIEW**

**ICE BRIDGE JOIST:**

- 2x12 WOOD CAP STEEL CHANNEL FOR WOOD JOIST SUPPORT
- 3/4\"/>

**SCALE:**  
 ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE. A UNIFORM DIMENSION SHALL BE INDICATED ON THE DRAWING TO INDICATE THAT THE DIMENSION IS TO BE MAINTAINED THROUGHOUT THE ENTIRE LENGTH OF THE MEMBER.

**B** ICE BRIDGE DETAIL  
 SCALE: NTS



**C** PIPE FOUNDATION DETAIL  
 SCALE: 11' x 17' - 1/2" = 1'-0"  
 22' x 34' - 1' = 1'-0"

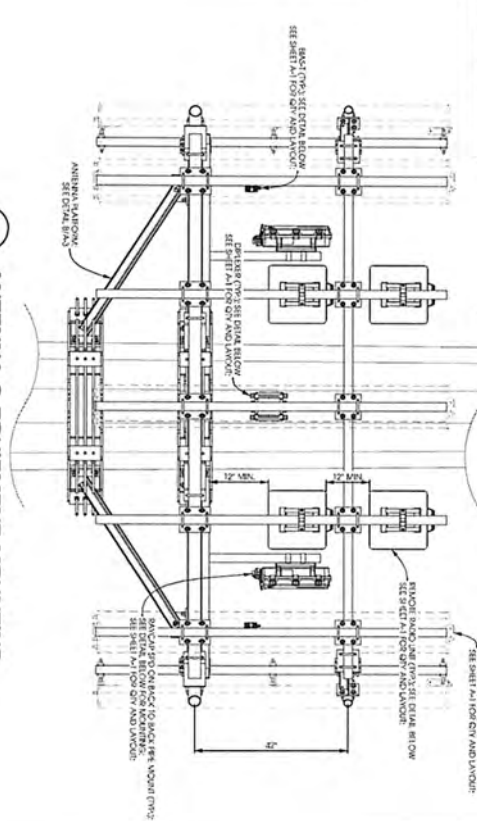
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| 2   | 11/2021 | JK | JK   | ISSUED FOR CONSTRUCTION |
| 3   | 11/2021 | JK | JK   | ISSUED FOR AS-BUILT     |

CHECKED BY: \_\_\_\_\_  
 DESIGNED BY: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 PROJECT # \_\_\_\_\_  
 SHEET # \_\_\_\_\_  
 SHEET TOTAL \_\_\_\_\_  
 DATE: 11/2021

**ICE BRIDGE DETAILS**  
**DELANAN LAKE [786492]**  
**DELANAN, WISCONSIN**

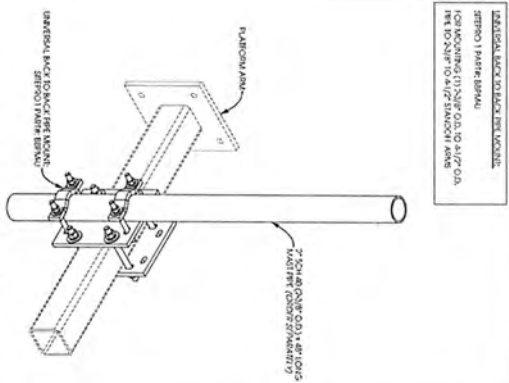
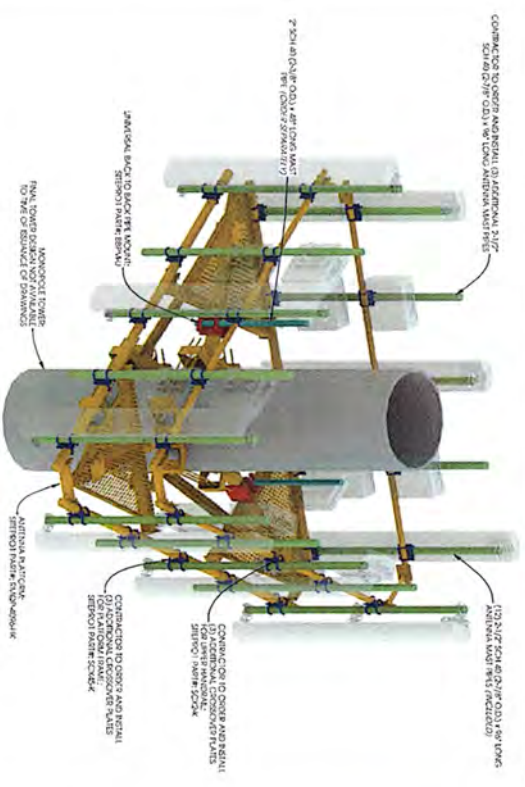
**Edge**  
 Consulting Engineers, Inc.  
 624 Water Street  
 Plover, WI 53078  
 920.461.1499 voice  
 920.461.1499 fax  
 www.edge-engineers.com

**NOTES:**  
 1. ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED ARE IN INCHES.  
 2. ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED ARE IN MILLIMETERS.  
 3. ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED ARE IN FEET AND INCHES.  
 4. ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED ARE IN METERS.

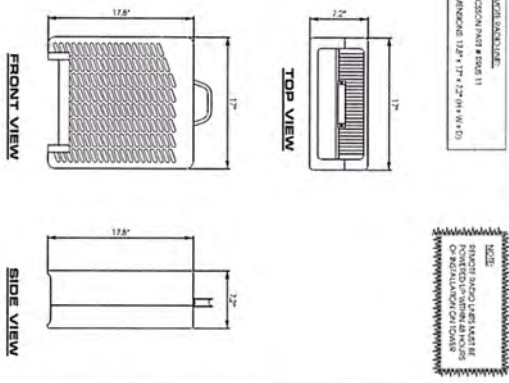


**A**  
**ANTENNA & EQUIPMENT MOUNTING**  
 SCALE: NIS

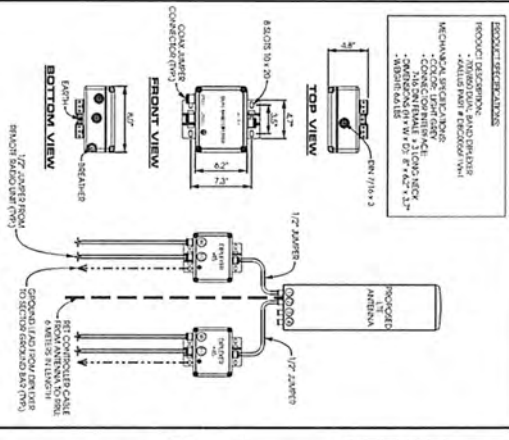
**B**  
**TYPICAL ANTENNA PLATFORM**  
 SCALE: NIS



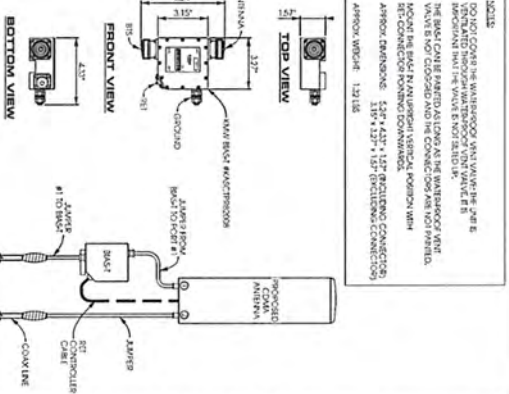
**C**  
**UNIVERSAL BACK TO BACK PIPE MOUNT**  
 SCALE: NIS



**D**  
**REMOTE RADIO UNIT (RRU)**  
 SCALE: NIS



**E**  
**DIPLEXER**  
 SCALE: NIS



**F**  
**BIAS-T**  
 SCALE: NIS

**INSTALLATION DETAILS**  
**DELANAN LAKE [786492]**  
**DELANAN, WISCONSIN**

**Edge**  
 Consulting Engineers, Inc.  
 534 Water Street  
 P.O. Box 1000  
 DeLavan, WI 53678  
 (608) 785-1000  
 www.edgecorp.com

**A-3**

| NO. | REV. | DATE | BY | CHK. |
|-----|------|------|----|------|
| 1   |      |      |    |      |
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